

Appl. No. 10/605,780  
Amdt. dated June 30, 2005  
Reply to Office action of April 08, 2005

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

- 5    Claim 1 (Currently Amended): An external connection device for placing and connecting a hard disk, the hard disk comprising:  
      a storage media for storing data;  
      a power input port for receiving power; and  
      a first signal I/O port for transmitting signals;
- 10    the external connection device comprising:  
      a housing having at least one cover and a mesh area and forming a chamber for placing the hard disk, wherein the cover covers the chamber and is fastened to the housing utilizing a plurality of thumb screws can be bare-handedly disassembled, and the mesh area has a plurality of meshes that allow air to pass in and out of the chamber;  
      at least one power terminal electrically connected to a power;  
      at least one signal terminal for delivering data recorded in the storage media to an electric device;  
      a power output port electrically connected between the power terminal and the power input port for providing electric energy to the hard disk; and  
      a second signal I/O port electrically connected between the first signal I/O port and the signal terminal, wherein the data recorded in the storage media can be delivered to the electric device through the second signal I/O port and the signal terminal.
- 25    Claim 2 (Currently Amended): The external connection device of claim 1 wherein the housing further comprises a plurality of screw holes for installing [[a]] the plurality

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of ~~bare-handedly~~ disassemble thumb screws to fasten the cover.

Claim 3 (Original): The external connection device of claim 1 wherein the housing is made with metallic material, the housing has six surfaces, and at least two surfaces 5 are composed of the mesh area.

Claim 4 (Original): The external connection device of claim 1 wherein the power terminal and the signal terminal respectively are a universal serial bus port (USB port), an IEEE 1394 connection port, or a serial advanced technology attachment (serial ATA) 10 connection port.

Claim 5 (Original): The external connection device of claim 1 further comprising a power switch electrically connected to the power terminal for turning on/off the external connection device, and the power terminal is connected to a power supply for 15 providing extra electric energy to the external connection device.

Claim 6 (Original): The external connection device of claim 1 further comprising a read-write state indicator placed in the chamber for indicating state of the hard disk, the read-write state indicator comprises at least one illuminant illuminating in 20 accordance with the read-write state of the hard disk and at least one light guide tube for guiding and distributing light of the illuminant.

Claim 7 (Original): The external connection device of claim 1 further comprising a circuit board in which a logic circuit is formed for controlling signal transmission at the 25 signal terminal and the second signal I/O port.

Claim 8 (Original): The external connection device of claim 7 wherein the circuit board is placed in the chamber, and the hard disk is above and overlaps the circuit board

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when the hard disk is installed in the chamber.

Claim 9 (Original): The external connection device of claim 7 wherein the circuit board is placed at a flank of the chamber, and the hard disk is next to the circuit board when  
5 the hard disk is installed in the chamber.

Claim 10 (Original): The external connection device of claim 1 further comprising a fan for circulating air passing in and out of the chamber.

10 Claim 11 (Original): The external connection device of claim 1 further comprising a support for fixing the housing.

Claim 12 (Currently Amended: An external connection device for placing and connecting a storage device, the storage device comprising:

15 a storage media for storing data;  
a power input port for receiving power; and  
a first signal I/O port for transmitting signals;  
the external connection device comprising:  
a housing having at least one mesh area and forming a chamber for placing the  
20 storage device, wherein the mesh area has a plurality of meshes that allow air to  
pass in and out of the chamber;

a read-write state indicator placed in the chamber for indicating state of the storage  
media, the read-write state indicator comprises at least one illuminant  
illuminating in accordance with the read-write state of the storage media and at  
25 least one light guide tube for guiding and distributing light of the illuminant;  
a power output port electrically connected to the power input port for providing  
electric energy to the storage device; and  
a second signal I/O port electrically connected to the first signal I/O port, wherein

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the data recorded in the storage media can be delivered to an electric device.

Claim 13 (Currently Amended): The external connection device of claim 12 wherein the housing further comprises a cover and a plurality of screw holes, the cover is fixed on the housing with a plurality of ~~bare-handedly disassemble~~ thumb screws and the cover can be ~~bare-handedly~~ disassembled from the housing without the use of tools.

Claim 14 (Original): The external connection device of claim 12 wherein the housing has six surfaces and at least two surfaces are composed of the mesh area.

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Claim 15 (Original): The external connection device of claim 12 wherein the housing is made with metallic material.

Claim 16 (Original): The external connection device of claim 12 further comprising:

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at least one power terminal for providing electric energy to the external connection device and making the power output port provide electric energy to the storage device; and

at least one signal terminal electrically connected between the second signal I/O port and an electric device for delivering data recorded in the storage media to the electric device.

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Claim 17 (Original): The external connection device of claim 16 wherein the power terminal and the signal terminal respectively are a universal serial bus port (USB port), an IEEE 1394 connection port, or a serial advanced technology attachment (serial ATA) connection port.

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Claim 18 (Original): The external connection device of claim 16 further comprising a power switch electrically connected to the power terminal for turning on/off the

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external connection device, and the power terminal is connected to a power supply for providing extra electric energy to the external connection device.

Claim 19 (Cancelled)

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Claim 20 (Original): The external connection device of claim 12 further comprising a circuit board in which a logic circuit is formed for controlling signal transmitting at the second signal I/O port.

10 Claim 21 (Currently Amended): The external connection device of claim 20 wherein the circuit board is placed in the chamber and the hard-disk storage device is above and overlaps the circuit board when the hard-disk storage device is installed in the chamber.

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